WNYU

89.1FM & 810AM

721 BROADWAY
NEW YORK, N.Y. 10003
(212) 998-1660

February 5,1988

Federal Communications Commission
Field Operations Bureau
201 Varick Street
New York, New York 10014

Gentlemen,

In regard to your letter of December 15, 1987 about [redacted]s reception problems we report the following.

Due to confusion within the New York University mail system we did not receive your letter until well into January of this year. After we did we contacted you and proceeded to attempt to contact Mr. [redacted]. After repeated attempts at calling his home and leaving unreturned messages on his answering machine, we were finally contacted by him and arranged an appointment. Our first appointment was canceled because Mr. [redacted] was not able to remain home long enough for us to drive to his home from lower Manhattan. After we offered to have a person closer to his home evaluate the interference, he declined and we rescheduled another appointment for a week later.

Mr. [redacted] was attempting to receive WBGO on his home receivers with great difficulty while WNYU was on the air. We observed the following. Mr. [redacted] had three FM radio receivers. One was an unshielded tube type, one a very old clock radio, and the third an inexpensive Montgomery Ward compact stereo system. We made an attempt to correct the problems Mr. [redacted] was having by making ½ and ¼ wave stubs at WNYU's frequency. We installed these on the Montgomery Ward receiver with little benefit.

We discovered that Mr. [redacted] was not using an outside antenna. He had a dipole antenna hanging in the window of his apartment. When we connected this antenna to his Montgomery Ward receiver, WRKS could be heard on WBGO's frequency. This indicated to us that the receiver must have an "IF" problem and probably was not working properly.

In addition to the above findings, we discovered that Mr. [redacted]s dipole antenna was hanging in a window facing out on a courtyard away from WBGO. Mr. [redacted]'s apartment was on the side of the building away from WBGO and was behind a hill. Since he

WNYU

89.1FM & 810AM

721 BROADWAY
NEW YORK, N.Y. 10003
(212) 998-1660



was only on the second floor he did not have line of sight capability to WBGO'S transmitter site in Newark New Jersey, twenty miles away. We also observed that he did have line of sight to the WNYU transmitter site, less than a mile away. In our car on the other side of his building towards WBGO we were able to receive their signal clearly.

Another interesting problem that may be related to Mr. [redacted]'s reception difficulties was an extreme level of interference from some two-way radio user in the area. This interference was evident on his radios and on his television.

We are ordering some notch filters on WNYU's frequency and will give one to Mr. [redacted] when they arrive. We hope this may help him. We also asked him to explore the possibility of arranging for a better antenna, perhaps on the roof of his building.

If you have any questions about this matter feel free to call me during the day at 212-[redacted].

Regards,

Andrew Bater, Engineer